		•		gan 2010 Transparency R	-								
		Lo	cations Ex	hibiting the Most Severe S	Safety Needs				Human Factors				
						Cr	ash and I	njury Da	ta	Ir	nvolveme	∍nt	
			Estimated			SHSP	Total Severe			Alcohol and/ or	NO Seatbelt and/ or Helmet		
Location	Jurisdiction	Potential Remedies	Costs	Implementation Impediments	Comments	Focus Area		A Injuries	Fatalities	Drug*	Use**	Speed**	
US-12 & Conrad Rd	MDOT - Coloma TSC	Intersection warning signs, dual 48" stop signs, overhead flashing beacons or ground mounted flashing beacons, rumble strips	\$38,000 to \$53,000	Flashing beacons may not meet warrants.	Intersection warning signs were installed in 2008 - Since install, FTY crashes do not cause K or A. Will continue to monitor for further crashes.	Intersection	4	3	2	1	0	0	
			· ,	,									
		Prohibit through traffic movement at the intersection by eliminating the ability to cross the median. Use existing turnarounds for indirect throughs. Reconstruct I-69 BL		1) Would like concurrence from the local government and local road agency to eliminate the through movement. Added delay to Lake Lansing Road traffic may not be favorable to local residents. Public meetings would need to be held. 2) Eliminating the median would add numerous left turn movements at driveways and would increase overall	In 2005, the left turn movement from Lk Lansing at this intersection was prohibited, and the median crossover changed to a single lane in each direction. The TSC continually monitors crashes at this intersection. No fatal or A injury crashes have occurred since March of 2007. No angle crashes occurred in 2009, and only one angle crash has occurred in 2010 (through April) and this was								
	MDOT - Lansing	without a median for a single point	1) \$100,000	conflict points. Traffic crashes would likely									
I-69BL & Lake Lansing Rd	TSC	intersection.	2) \$2,500,000	be shifted, not minimized.	running red light.	Intersection	3	4	2	0	0	0	
M-59 (University) & Paddock	MDOT - Oakland TSC	None	, , , , , , , , , , , , , , , , , , , ,		Intersection was recently redesigned with resurfacing job in area to "tee up" University Dr into WB M-59 and avoid merge problem from previous alignment.	Intersection		4	2	1	0	0	
ivi oo (omvorsity) a r aadook	100	None			The existing traffic signal will have	Intersection		7					
M-97 (Grosbeck) & 10 Mile Rd	MDOT - Macomb TSC	Lansing Signal Unit is reviewing the need for a left-turn phasing for M-97.	\$150,000		to be modernized to box span when adding the left-turn phasing.	Intersection	5	8	1	1	0	0	
					2010 CPM project underway which								
M-8 (Davison) & Dexter	MDOT - Detroit TSC	Left turn phasing.	\$100,000	May not meet warrants.	includes addition of ped refuge islands on M-8	Intersection	5	4	1	0	1	0	
	MDOT - Coloma	Upgrade to signal; Offset left turn lane stop bars; Larger/dual stop signs; Rumble strips; All way stop control;	\$10,000 -	Signal may not meet warrants; Left turn movements may be safe without stop bar replacement; Optional signing may not be visible; Rumble strips may be too noisy, not effective enough and wear quickly; Motorist acknowledgement of new	This is a Repeat location. Existing dual overhead flasher (M-40 stops for M-60). Many intersection type crashes still caused by motorists due to improper stop/poor gap			T					
M-40 & M-60	TSC	Sign post enhancement	\$135,000	intersection control.	selection by M-40 vehicle.	Intersection	3	2	2	0	0	0	
M-102 (8 Mile Rd) & Marie	MDOT - Detroit TSC	No recommendation			2008 CPM and ADA ramps done	Intersection	3	1	2	1	0	0	
M-59 (Highland) & Hospital Rd	MDOT - Oakland TSC	Signalize; TSC will continue to monitor intersection for potential	n/a at this time	Intersection does not meet signal warrants.	Intersection was studied for potential signalization in 2009 (as a result of 2 fatalities in the area). After MDOT review, intersection was found not to meet signal warrants and signal request was denied. Alternate means of prohibiting Hospital lefts to WB M-59 were discussed with the locals	Intersection							

		1			1	I	1	I	1	1	<u> </u>	
	MDOT - Detroit				Safety project completed in 2008 or							
	TSC				2009. TSC will continue to monitor.	Intersection	3	1	2	0	0	0
EB I-96 - 1/4 M west of Glendale to 1/4 M						Lane						<u> </u>
	TSC	Delineation	\$10,000		Davison to Underwood	Departure	7	4	3	2	1	4
cast of Davison	100	Delinication	ψ10,000		Davison to Onderwood	Departure	,	T			+'	-
					Unknown cost since correcting the							
					drainage issues will impact other							
					utilities as well as impacts to traffic							
				Utility issues with new drainage;	and mobility; Cushion wall would							
WB I-94 - 200' east of Scotten St to 1/4 M	MDOT - Detroit	Cushion wall, drainage improvements,		Funding/personnel issues with	need to be specifically designed for	l ane						
	TSC		Unknown	enforcement;		Departure	6	7	2	3	1	4
west of sour Gt	100	CHOIGEMENT	OTIKTIOWIT	emorocinent,	trio otto, iriotalica aria maintairica.	Берание	0			+	+'	
					I-75 has a mainline curve in this							
					area, advisory speed of 55 mph.							
					Signs were upgraded in 2009 as							
					part of a freeway signing project.							
					Improved signing and/or speed							
					warning system likely the best							
					remedies before I-75 is							
		Speed warning system, investigate			reconstructed and widened in this							
SB I-75 - 1/4 M north of Big Beaver Rd to	MDOT Oakland	geometric improvements with widening			area. Concrete barriers on either	Long						
	TSC		\$1,000,000.00	None		Lane	10	10			1	2
Livernois Ave	130	project. Add street lighting along this segment;	\$1,000,000.00	None ROW / slopes/other utility impacts;	side of 5B i-75 in this area as well.	Departure	10	10			1	3
M-11 (28th St) - Kalamazoo St to Breton	MDOT - Grand	Enforcement due to alcohol related		Coordinating with State & Local Police		Lane						
` ,	Rapids TSC		\$700,000	Departments		Departure			_	1	2	0
	•	Crasiles	\$700,000	•		-	8	9	5	4		U
WB I-94 - E 8 Mile Rd to 1/10 M south of				funding/personnel issues with		Lane						
	TSC		unknown	enforcement		Departure	9	/	2	1	2	3
		Relocate freeway signing for I-75/US-			, ,	Lane						
SB I-75 - Off ramp to 4 Mile Rd	TSC	127 split further south (done in 2007)			relocated	Departure	4	2	3	2	3	1
					I-75 has a mainline curve in this							
					area which had an advisory speed							
					of 50 mph. Speed warning system							
					and new signing added in 2009.							
					Area was reconstructed after 9 Mile							
					bridge was demolished by a tanker							
					explosion. Reconstruction							
		TSC will continue to monitor			improved superelevation on curve							
SB I-75 - 500' north of 9 Mile Rd to 1/4 M		intersection for potential			and allowed advisory speed to be	Lane						
South of 9 Mile Rd	TSC	improvements.			increased to 55 mph.	Departure	5	3	2	2	2	4
					Any potential project should include							
	MDOT - Taylor				cable barrier on the EB side of I-94	Lane						
WB I-94 - Wayne Rd to I-275	TSC		\$500,000	None	as well.	Departure	5	6	2	1	0	0
		Reconstruction of roadway with grade										
		lift, removal of adjacent barrier curb,	3.516 Million -									
		addition of 8' paved shoulders, addition		None. This project is programmed for	MDOT Project limits - Bayou Street							
US-41 - Main St to Lake St	TSC	of roadside ditches	2012 construction	2012 Construction.	to Carp River Bridge	Departure	4	4	2	2	1	3
					Centerline and shoulder rumble				Ī			
					strips were installed in 2008 in this							
		Tree trimming and/or possible removal			segment of US-12. No severe lane							
			Approximately		departure crashes have occurred							
	MDOT - Brighton		\$1000.00 per tree		since the installation of the rumble	Lane						
	TSC	further improvements are warranted.	removal.	Public acceptance for removal of trees.	strips.	Departure	4	3	2	3	2	0
	MDOT - Traverse				Rumble Strips were installed in	Lane						
Bates Rd	City TSC	Rumble Strips		None	2009.	Departure	3	4	4	2	1	2
Dates Nu				Rumble strips may have to be installed in								
	_											1
M-54 (Dort Hwy) - 2/10 M south of Maple	MDOT - Davison	Centerline rumble strips; Revise		a future project if no specific rumble	All lane departure type crashes	Lane						
M-54 (Dort Hwy) - 2/10 M south of Maple Ave to Judd St	MDOT - Davison TSC	·	\$25,000		occurred in 2006-none since 2006	Lane Departure	5	3	2	2	3	0
M-54 (Dort Hwy) - 2/10 M south of Maple Ave to Judd St	MDOT - Davison	·	\$25,000	a future project if no specific rumble			5	3	2	2	3	0
M-54 (Dort Hwy) - 2/10 M south of Maple Ave to Judd St US-31 - Gonder Rd to 2/10 M east of	MDOT - Davison TSC	·	\$25,000	a future project if no specific rumble	occurred in 2006-none since 2006	Departure	5	3	2	2	3	0 4
M-54 (Dort Hwy) - 2/10 M south of Maple Ave to Judd St US-31 - Gonder Rd to 2/10 M east of	MDOT - Davison TSC MDOT - Traverse	clearance intervals	\$25,000	a future project if no specific rumble contract is available.	occurred in 2006-none since 2006 Rumble Strips were installed in	Departure Lane	5	3	2	2	3	0 4
M-54 (Dort Hwy) - 2/10 M south of Maple Ave to Judd St US-31 - Gonder Rd to 2/10 M east of	MDOT - Davison TSC MDOT - Traverse	clearance intervals Rumble Strips	\$25,000	a future project if no specific rumble contract is available.	occurred in 2006-none since 2006 Rumble Strips were installed in	Departure Lane	5	3	2	2	3	4

		T		1	Manning translation and information			1	1	1	1	
		Cross Troffic Doos Not Ston Signs			Keeping track of crash information							
Comorio & Douglas	Monroe County	Cross Traffic Does Not Stop Signs,	¢10,000		to see if appearance on list	Interception	2	6	1		1	0
Samaria & Douglas	Monroe County	Intersection Flashers	\$10,000			Intersection	3	Ь	1	U	1	U
Cabaanham 9 40 Mila Dal	Macomb County/	Consolidate driveways, Dilemma zone	# 200 000	Agreements with local buisinesses and the		lt						
Schoenherr & 13 Mile Rd	City of Warren	detection system	\$300,000	City of Warren	have any impediments (cost 30k)	Intersection	3	4	1	U	0	U
	Macomb County/	Install troffic signal autorograph										
Firshoth O Hower	City of St Clair	Install traffic signal, enforcement,	ФE0 000	Traffic signal and warments d		lt			L			
Elizabeth & Harper	Shores	driver education	\$50,000	Traffic signal not warranted		Intersection	3	3	1	I	0	U
Dolmor 9 Vanov	Wayne County/					latara astica	_					
Palmer & Venoy	City of Westland					Intersection	4	4	1	1	0	U
Monroe & Ecorse	Wayne County					Intersection	3	3	1	0	0	0
Capac Rd - 1/2 M north of Pratt Rd to 1/4		Widen shoulders; Edge line and center		Ditches and culverts would have to be	In the country, plenty of space to	Lane			<u> </u>	<u> </u>	1	
M south of Hough Rd		line rumble strips	\$100,000		* * * *	Departure	5	3	3	2	2	4
in count of Flought Na	maconio county	Providing a clear zone within the Right-		mered back to accommodate maching	Wideli	Dopartaro			 	-	†	
Fruit Ridge Ave NW - 1/2 M south of 7		of-Way; Improving the friction factor of		Property owner objection to tree removal;	A Federal Local Safety project grant	Lane						
Mile Rd to 1/4 M north of 7 Mile Rd	Kent County	the road surface.	\$95,000			Departure	4	4	2	1	1	1
Willo Tea to 17 TWI Horar of 7 Willo Tea	Tront County	ino roda carrace.	φοσ,σσσ	Lack of fariable complete	Wao applied for (1 12012)	Bopartaro	 	+	<u> </u>	+	†	
			\$5,000 for									
		Upgrade Advance Curve Warning	upgrading,	RCOC will implement the potential signing								
		Signs and Chevrons Signs in the curve		remedies immediately with our own work								
		to Fluorescent Yellow (Type IX	relocation of	forces. This will be done with RCOC funds								
		Sheeting). Clear brush blocking the	signs. Costs for	because of the relatively low cost. Going								
		westbound Side Road Intersection	widening project	through MDOT for funds would not be cost	We'll continue to monitor this							
		Sign (W2-2L) and upgrade to	and clear zone	,								
		Fluorescent Yellow (Type IX Sheeting)		1	location. It will remain on our list as							
		Add an Advance Road Name w/Left	unknown at this		a potential location for safety							
		Arrow (D3-2a) Sign to this installation.	time due to	of-way. Removal of large trees in this area								
		Reconstruct highway to include a	unkown project		construction of a center lane and							
Commerce Rd - 75' west of Indian Trail to		center turn lane. Tree removal to			•	Lane						
Orchard Lake Rd	Oakland County	provide a larger clear zone.	right-of-way costs.	ROW line allowing room for recovery.	becomes available.	Departure	6	5	2	2	0	1
		Discretionary greenery maintenance,										
		discretionary fixed object removal,										
W Jefferson Ave - City limits to Dearborn		road diet, pavement marking, signal		Right of way restrictions, utility		Lane						
St	City of Detroit	and sign related improvements	\$500, 000	coordination		Departure	5	3	2	2	2	2
					Additional signs have been							
					provided. Safety project is to be							
					completed installing improved							
					signage and pavement markings							
					2010 update - Safety project							
					completed in 2009 added chevrons							
					with reflective post strips all of high							
		Improve the alignment of the roadway			intensity material and placed wet							
Alden Hwy - 520' E Grass River Natural		or improve signage and pavement		Environmental constraints prevent	weather reflective pavement	Lane						
Area Rd to 2770' E Comfort Rd	Antrim County	markings.	N/A	changes in alignment.	markings.	Departure	3	2	3	3	0	2
					This section of highway was on the							
					2008 report and potential remedies							
					have been implemented. They							
					included upgrading Advance Curve							
					Warning Signs to Fluorescent							
					Yellow (Type IX Sheeting).							
					Installing Target Arrows and							
					Chevrons (Type IX Sheeting) in the							
					curve. Installing Raised Pavement							
					Markers on the Centerline, and							
					relocating a "Do Not Pass" so it							
Andersonville Rd - 1/2 M south of Big					9	Lane						
Lake Rd to 2/10 M south of Farley Rd	Oakland County				_	Departure	3	5	2	2	2	0
I a to to in obtain or rainey ha	- and a county	Construct paved shoulders, install	†			_ = ===================================		 	 -	 	_	
		centerline and shoulder rumble strips,			The Washtenaw County Road							
		improve ditch slopes and remove any			Commission will search for state or							
	Washtenaw	roadside obstructions within the road				Lane						
Carpenter Rd - Bemis Rd to Merritt Rd	County	right-of-way	\$500,000 +		improving this segment of roadway.		6	6	3	3	3	3
zamponionia Bonno na to monita na	1	1	1+000,000		improving and dogmont or roadway.		1-	1~	,-	1-	1~	1-

		1		Upon completion of presently planned	<u> </u>	Lane						
Whitehall Rd - Tyler Rd to Bard Rd	Muskegon County	Curve Delineation	\$3,500	safety projects.		Departure	3	2	2	1	1	2
William Na Tylor Na to Bara Na	Mackegon County	Curve Benneauerr	ψ0,000	Noise created with close proximity to		Dopartaro				1	- '	
				existing houses; None associated with								
				gravel placement; 1/2 mile segment in 9	Gravel work to be completed during							
		Centerline rumble strips; Place gravel		mile roadway that has similar features	summer 2010. Will monitor							
		along pavement edge to eliminate		throughout - would require edge line for	situation and review in the future for	llana						
Dogara Huny Kanka Dd ta Cutton Dd	Lenawee County		¢15 000	entire 9 miles of roadway.		Departure	4		_	4	0	ا
Rogers Hwy - Kopke Rd to Sutton Rd	Lenawee County	eage arop, Eage striping	\$15,000	entire 9 miles of roadway.		Departure	4			I I	U	
					This road segment contains two							
					high volume four-way stop							
					intersections. The crashes in this							
					segment are predominantly							
					intersection related. The							
					intersections will be reviewed							
					seperately. This segment should	Lane						
Sheridan Dr - Evanston Ave to Vine Ave	Muskegon County				be removed from consideration.	Departure	4	8	1	1	0	1
				Limited enforcement staff; Education by	Repainting and sweeping							
		Short term: Repaint; sweep;		others; Location of Cass River prohibits	completed; Application for grant				1			
		enforcement; education. Long term:		realignment; Public acceptance of	funds submitted for bit overlay							
		straighten road; double chipseal w/fog		chipseal and rumble strips; material	w/paved shoulders. Additional							
Ormes Rd - Lewis Rd to 8/10 M east of		seal; sign upgrade; bit overlay w/paved			funding required for other	Lane						
	Tuscola County		\$546,800 +	environmental concerns	countermeasures.	Departure	4	5	1	1	0	2
	r docoid ooding	Paved Shoulders, rumble striping,	φο το,σσσ τ		Selected as 2010 Safety project,	Dopartaro	<u> </u>		'			
		guardrail updates, signage updates,		resident complaints from noise of rumble	design substantially complete,							
River Rd - 1/2 M south of Dice Rd to 1/4		curve modifications and obstruction		striping and possibility of problems	anticipate late fall/early winter	Lane						
	Socioou County		Φ Ε ΛΟ ΛΟΟ					7	4	4	0	_
M north of Dice Rd	Saginaw County	removal	~\$500,000	acquiring ROW.	letting with 2011 construction	Departure	ь		1	I	U	5
						Lane	1.	1.	1.			
Bellevue Hwy - Westgate Rd to Peck Rd	Eaton County					Departure	4	4	1	2	0	2
		Intersection improvements/pavement				Lane						
Grafton Rd - Buhl Rd to Stoney Creek Rd	Monroe County	markings within the curve	\$100,000	Funding	Applied for 2012 Safety Funds	Departure	4	4	1	2	1	0
					This section of highway was part of							
					a 2005-2006 project that							
					reconstructed a two-way, two-lane							
					highway to a three lane cross-							
					section with a center lane for left							
					turns. Reconstruction included							
					cutting the hill for sight distance							
					improvement, three-foot paved							
					shoulders, upgraded guardrail, and							
					raised pavement markers. A traffic							
Doobootor Dd Dornydolo to 4/40 M					•	Long						
Rochester Rd - Perrydale to 4/10 M north					signal was installed at the	Lane	1.		1.	1		l,
of Mead Rd	Oakland County				intersection with Mead Road.	Departure	4	4	1	1	0	11
	l											
	*Alcohol/Drug invol	vement is reported on a per crash basis										
	party.	The second of a per cracil back	c oponod of									
Additional Notes:	<u>'</u>	a attache a labora d'alc'area a 19		distribute to the first section of the first sectio	1							
העשונוטוומו וויטופט.		pacitating injured drivers and/or passenge										
	•	s). Use for remaining drivers and passe			-							
			s action was liste	d at "Speed too fast" or when the crash report								
	narrative indicated	a driver was speeding.										